## *BRUHAT BANGALORE MAHANAGARA PALIKE*

## *YELAHANKA ZONE*

### *DIVISION: BYATARAYANAPURA*

### *SUB DIVISION: VIDYARANYAAPURA*

***Name of Work:*** *Modified Estimate for Improvements to Roads and Drains at Ramachandrapura Old village, Hanuman Layout, Anjaneya Temple and Satya Narayana Temple surroundings in Ward No. 10 Vidyaranyapura Sub*

***Estimated Cost: Rs: 20.00 Lakhs***

# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

***Name of the work:*** **Modified Estimate for Improvements to Roads and Drains at Ramachandrapura Old village, Hanuman Layout, Anjaneya Temple and Satya Narayana Temple surroundings in Ward No. 10 Vidyaranyapura Sub Division.**

| | | | Estimate Cost: | | | | | | 2000000.00 |
|---|---|---|---|---|---|---|---|---|---|
| Sl. No | Description | Unit | No. | L | B | D | Qty | Rate | Amount |
| 1 | KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152 / Item No. 19.2 / PWD SR 2013-14** | Cum | | | | | | | |
| | CC Road Hanuman Layout | | | | | | | | |
| | Sathyanarayanaswamy Temple Road | | 1 | 100.00 | 4.20 | 0.10 | 42.00 | | |
| | Chamundeshwari Layout 1st Cross | | 1 | 65.00 | 4.30 | 0.10 | 28.00 | | |
| | Temple Road | | 1 | 20.00 | 5.00 | 0.10 | 10.00 | | |
| | Srinivas House Road | | 1 | 30.00 | 5.00 | 0.10 | 15.00 | | |
| | Srinivas Office backside Road | | 1 | 20.00 | 3.00 | 0.10 | 6.00 | | |
| | | | | | | | **101.00** | 90.72 | **9163.00** |
| | Basic Rate | 84.00 | | | | | | | |
| | Area Weightage @8% | 6.72 | | | | | | | |
| | **Total** | **90.72** | | | | | | | |
| 2 | KSRRB M300-53: Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) **MORTH specification No. 305, No. 159 / Item No. 19.60 / PWD SR 2013-14** | Cum | | | | | | | |
| | Sathyanarayanaswamy Temple Road | | 1 | 100.00 | 4.20 | 0.20 | 84.00 | | |
| | Chamundeshwari Layout 1st Cross | | 1 | 65.00 | 4.30 | 0.20 | 56.00 | | |
| | Temple Road | | 1 | 20.00 | 5.00 | 0.20 | 20.00 | | |
| | Srinivas House Road | | 1 | 30.00 | 5.00 | 0.20 | 30.00 | | |
| | Srinivas Office backside Road | | 1 | 20.00 | 3.00 | 0.20 | 12.00 | | |
| | | | | | | | **202.00** | 163.24 | **32974.00** |
| | Basic Rate | 154.00 | | | | | | | |
| | Area Weightage @ 8% | 9.24 | | | | | | | |
| | **Total** | **163.24** | | | | | | | |
| 3 | KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2013-14** | Cum | | | | | | | |

Jadha
AE



Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

| Sl. No | Description | Unit | No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Sathyanarayanaswamy Temple Road | | 1 | 100.00 | 4.20 | 0.15 | 63.00 | | |
| | Chamundeshwari Layout 1st Cross | | 1 | 65.00 | 4.30 | 0.15 | 42.00 | | |
| | Temple Road | | 1 | 20.00 | 5.00 | 0.15 | 15.00 | | |
| | Srinivas House Road | | 1 | 30.00 | 5.00 | 0.15 | 22.50 | | |
| | Srinivas Office backside Road | | 1 | 20.00 | 3.00 | 0.15 | 9.00 | | |
| | | | | | | | **151.50** | 4290.84 | **650062.00** |
| | Basic Rate | 3973.00 | | | | | | | |
| | Area Weightage @ 8% | 317.84 | | | | | | | |
| | **Total** | **4290.84** | | | | | | | |
| 4 | KSRRB M2600-3: Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, **No. 251 / Item No. 31.3 PWD SR 2013-14** | M | | | | | | | |
| | | | 10 | 4.00 | | | 40.00 | | |
| | | | 6 | 5.00 | | | 30.00 | | |
| | | | 2 | 5.00 | | | 10.00 | | |
| | | | 3 | 5.00 | | | 15.00 | | |
| | | | 2 | 3.00 | | | 6.00 | | |
| | | | | | | | **101.00** | 137.16 | **13853.00** |
| | Basic Rate | 127.00 | | | | | | | |
| | Area Weightage @ 8% | 10.16 | | | | | | | |
| | **Total** | **137.16** | | | | | | | |
| 5 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 19 / Item No. 4.48.1/ PWD SR 2013-14** | Cum | | | | | | | |
| | For CC Road Hanuman Layout | | | | | | | | |
| | Sathyanarayanaswamy Temple Road | | 1 | 100.00 | 4.20 | 0.15 | 63.00 | | |
| | Chamundeshwari Layout 1st Cross | | 1 | 65.00 | 4.30 | 0.15 | 42.00 | | |
| | Temple Road | | 1 | 20.00 | 5.00 | 0.15 | 15.00 | | |
| | Srinivas House Road | | 1 | 30.00 | 5.00 | 0.15 | 22.50 | | |
| | Srinivas Office backside Road | | 1 | 20.00 | 3.00 | 0.15 | 9.00 | | |
| | | | | | | | **151.50** | 6464.88 | **979429.00** |
| | Basic Rate | 5986.00 | | | | | | | |
| | Area Weightage @ 8% | 478.88 | | | | | | | |
| | **Total** | **6464.88** | | | | | | | |
| 6 | **Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **190 / Item No. 22.7/ PWD SR 2013-14** | Sqm | | | | | | | |
| | Sathyanarayanaswamy Temple Road | | 1 | 100.00 | 4.20 | | 420.00 | | |
| | Chamundeshwari Layout 1st Cross | | 1 | 65.00 | 4.30 | | 280.00 | | |



Sadhu
AE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

| Sl. No | Description | Unit | No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | 20.00 | 5.00 | | 100.00 | | |
| | | | 1 | 30.00 | 5.00 | | 150.00 | | |
| | | | 1 | 20.00 | 3.00 | | 60.00 | | |
| | | | | | | | **1010.00** | 91.80 | **92718.00** |
| | Basic Rate | 85.00 | | | | | | | |
| | Area Weightage @ 8% | 6.80 | | | | | | | |
| | Total | **91.80** | | | | | | | |
| 7 | Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km ( Page No.123) | Cum | | | | | | | |
| | | | Vide Item No. 1 | | | | **95.95** | 72.71 | **6976.00** |
| | Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12 | 5.12 | | | | | | | |
| | Add loading and unloading Vide item no.17.1 P.no.141 | 62.20 | | | | | | | |
| | | **67.32** | | | | | | | |
| | Area Weightage @ 8% | 5.39 | | | | | | | |
| | **Total** | **72.71** | | | | | | | |
| 8 | **Sub Total** | | | | | | | | **1785175.00** |
| 9 | KRIDL Service Charges and Applicable Taxes @ 11% | | | | | | | | **196369.00** |
| 10 | For Third Part QC Charges @ 1% of Estimate Cost | | | | | | | | **17852.00** |
| 11 | Miscellaneous and other Charges | L/S | | | | | | | **604.00** |
| | | | | | | | | Total | **2000000.00** |

**(Rs. Twenty Lakhs Only)**

**CERTIFICATE:**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vijnanapura Sub Division

Assistant Executive Engineer
Vijnanapura Sub Division
BBMP, Bangalore - 97

New Technical Sanction

Technical Sanction for Rs. 20.00 Lakhs
Twenty Lakhs only.

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

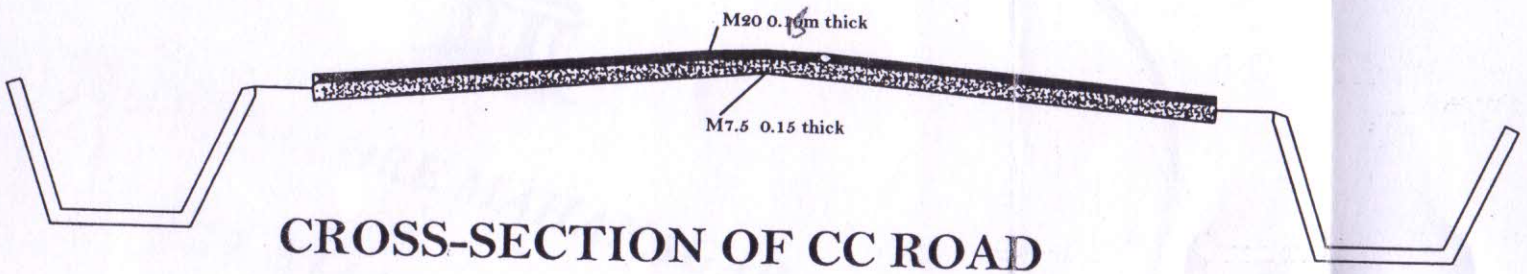
Executive Engineer
Byatarayanapura Zone, B.B.M.P.
Bangalore - 560 092

EE/BTP/409/13-14.

Registered as EE No: Dated Subject
to conditions contained enclosed memo.
No:

AE/JE

## NAME OF WORK:-




# CROSS-SECTION OF CC ROAD

**INDEX**

M7.5 1:4:8 0.15m Thick

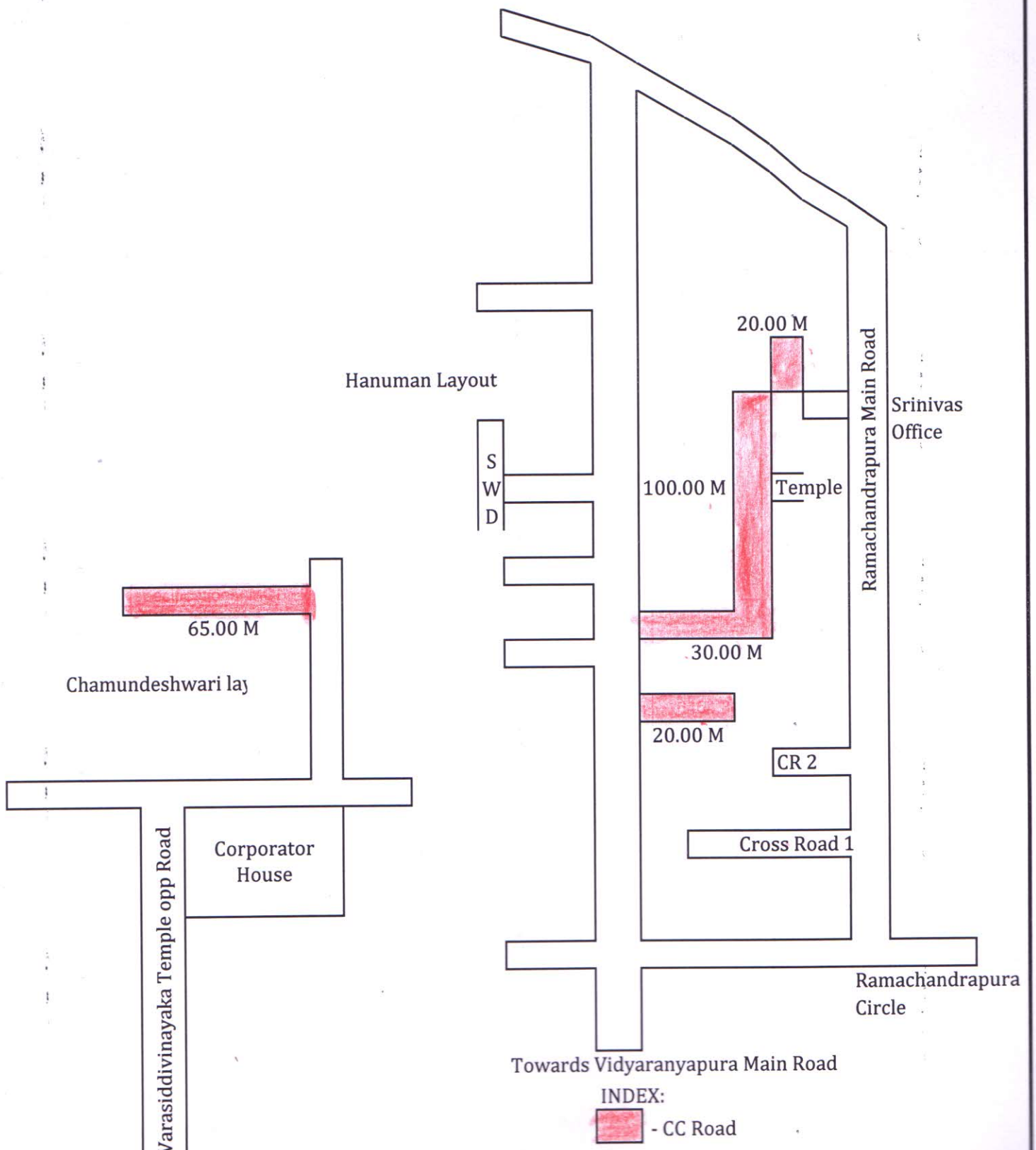
M20 1:1.5:3 0.10m Thick

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
VIDYARANYAPURA SUB DIVISION

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sketch Showing the Work of Improvements to Roads and Drains at Ramachandrapura Old village, Hanuman Layout, Anjaneya Temple and Satya Narayana Temple surroundings in Ward No. 10 Vidyaranyapura Sub Division.




Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97